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### (54) A voltage controlled oscillator circuit

(57) The invention relates to a method for tuning the frequency, particularly the medium frequency, of a voltage controlled oscillator (VCO). The medium frequency of a VCO is tuned by controlling the voltage by means of a microprocessor (2), an analog/digital converter (7)

and a digital/analog converter (6). By using the invention, it is also possible to compensate for frequency drift of the VCO circuit due to the temperature without having to measure the temperature separately. The method is applied favourably in different types of mobile telephones.

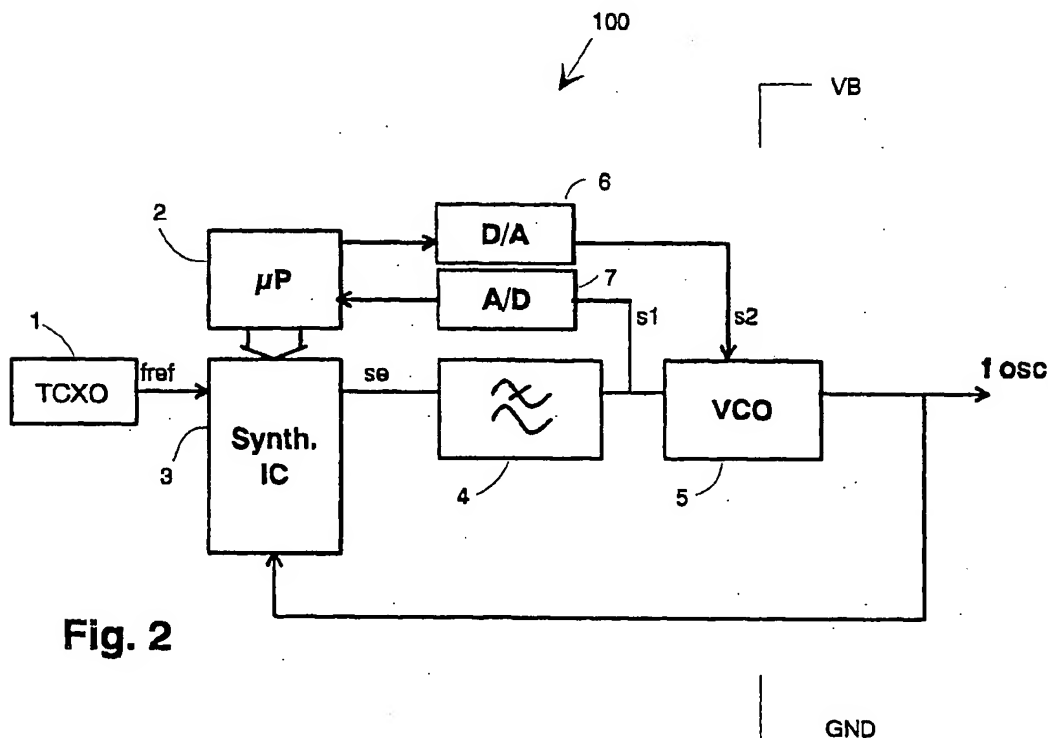


Fig. 2

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